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TITLE: ANNULAR CAISSON
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INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To make it possible to make good use of an annular caisson as an underground parking place by excavating the inside of an internal cylindrical wall of the annular caisson with the settlement of the caisson, and providing a parking lot floor section and drive-ways for each floor in the central part after placing the foundation concrete.

CONSTITUTION: In a circular caisson 1, a circular section is formed between an external cylindrical wall 2 and an internal cylindrical wall 3, and the first and second spiral ramps 8 and 8' are provided from the ground side to an operation room slab 6. The operation room slab 6 is provided downward between the external cylindrical wall 2 and the internal cylindrical wall 3, and the earth in a compressed air operation room is discharged by an excavated earth moving car on the first spiral ramp 8. The inside of the internal cylindrical wall 3 is excavated with the settlement to provide a parking lot floor section 11 and drive-ways 12 and 13 for each floor in the central part after placing the foundation concrete, and the ramp is used as a ramp way for a parking lot drive-way. According to the constitution, excavated earth can be effectively discharged and, at the same time, it can be used effectively as an underground parking lot.

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